

Claims

Claim 1-75 (cancelled).

~~Claim 76 (previously presented):~~ A process for purifying chlorofluorinated compounds comprising:

providing a first mixture comprising both first and second isomers of a C-3 chlorofluorinated compound, the first mixture having a first ratio of the first isomer to the second isomer; and

contacting the mixture with a chromium-comprising catalyst to form a second mixture comprising a second ratio of the first isomer to the second isomer, wherein the first ratio is less than the second ratio.

Claim 77 (previously presented): The process of claim 76 wherein the C-3 chlorofluorinated compound comprises $C_3F_6Cl_2$, the first isomer comprises $CF_3CCl_2CF_3$, and the second isomer comprises $CF_3CClFClCF_3$.

Claim 78 (previously presented): The process of claim 76 wherein the C-3 chlorofluorinated compound comprises C_3F_7Cl , the first isomer comprises $CF_3CClFClCF_3$, and the second isomer comprises $CF_3CF_2CF_2Cl$.

Claim 79 (previously presented): The process of claim 76 wherein the chromium-comprising catalyst is Chrom-gel[®].

Claim 80 (previously presented): The process of claim 76 wherein the contacting further comprises heating the mixture to a temperature of from about 250°C to about 350°C.

Claim 81 (original): The process of claim 80 wherein the temperature is about 280°C.

Claims 82-88 (cancelled).

Claim 89 (previously presented): The process of claim 76 further comprising separating at least a portion of the first isomer from the second mixture.

Claim 90 (previously presented): The process of claim 89 wherein the separating comprises distilling the second mixture to form a solution comprising the portion of the first isomer.